



PATENT
Customer Number 22,852
Attorney Docket No.: 8731.0007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Mark PAUSCH et al.)
)
Serial No.: 08/816,011) Group Art Unit: 1646
)
Filed: March 11, 1997) Examiner: Michael D. Pak
For: POTASSIUM CHANNELS, NUCLEOTIDE SEQUENCES ENCODING THEM,
AND METHODS OF USING SAME

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

AMENDMENT AND RESPONSE

In response to the Office Action dated April 9, 2002 (Paper No. 35), and pursuant to 37
C.F.R. § 1.111, please enter the following amendment and remarks.

IN THE CLAIMS:

Please amend the claims as follows:

22. (Amended) An isolated nucleotide sequence, wherein the nucleotide sequence
encodes a protein comprising the amino acid sequence of SEQ ID NO:63.
24. (Twice Amended) An isolated nucleotide sequence comprising:
- (i) the nucleotide sequence of SEQ ID NO:1 or SEQ ID NO:36;
 - (ii) a nucleotide sequence that hybridizes to said sequence of SEQ ID NO: 1 or SEQ
ID NO:36 under high stringency conditions, wherein said high stringency conditions comprise
hybridization conditions comprising 50% formamide and 5X SSPC at 50°C and washing

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FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

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